

ray diffraction spectrum measured by a θ - 2θ method while an angle of incidence with reference to a surface of the light-transmittable substrate is set at θ .

5. (Twice Amended) A method for producing an optical recording medium which comprises at least a recording layer comprising an organic dye, a reflecting layer composed of a metal by a sputtering method, and a protective layer laminated in this order on a light-transmittable substrate, said method comprising the step of forming a thin film comprising silver as the major component and satisfying a relative intensity ratio of $I(200)/I(111)$ being 0.49 or more when an X-ray diffraction intensity by a (111) plane is designated as $I(111)$ and an X-ray diffraction intensity by a (200) plane is designated as $I(200)$ in an X-ray diffraction spectrum measured by a θ - 2θ method while an angle of incidence with reference to a surface of the light-transmittable substrate is set at θ , by controlling a sputtering gas pressure in a sputtering chamber in forming the reflecting layer by the sputtering method.

6. (Twice Amended) A method for producing an optical recording medium which comprises at least a recording layer comprising an organic dye, a reflecting layer composed of a metal by a sputtering method, and a protective layer laminated in this order on a light-transmittable substrate, said method comprising the step of forming a thin film comprising silver as the major component and satisfying a relative intensity ratio of $I(200)/I(111) > 0.47$ when an X-ray diffraction intensity by a (111) plane is designated as $I(111)$ and an X-ray diffraction intensity by a (200) plane is designated as $I(200)$ in an X-ray diffraction spectrum measured by a θ - 2θ method while an angle of incidence with reference to a surface of the light-transmittable substrate is set at θ , by